

ABSTRACT

A method for producing an alcohol and/or a ketone, wherein a raw material containing at least one alkene is reacted in the presence of steam under the contact with an oxide catalyst in a gas phase, to produce an alcohol and/or a ketone corresponding to said alkene(s), which comprises satisfying the following requirements: (a) the above oxide catalyst contains the oxide(s) of molybdenum and/or tin, (b) the above reaction is carried out under a condition wherein molecular oxygen is not fed and by the use of a system wherein said catalyst is circulated between a fluid bed reactor and a regenerator, and (c) a stripper is provided on the way from the regenerator to the reactor.